

WHAT IS CLAIMED IS:

1. A pluggable transceiver, comprising:
a housing having a front end configured to couple to a transmission cable and a back end configured to be inserted into a cage; and
a cam disposed on an exposed outer surface of the transceiver housing and configured to displace a cage latch and engage a cage slot upon insertion of the transceiver housing into the cage.

2. The pluggable transceiver of claim 1, wherein the cam has a chamfered surface exposed for contact with the cage latch as the transceiver is being inserted into the cage.

3. The pluggable transceiver of claim 2, wherein the chamfered surface of the cam is rectangular.

4. The pluggable transceiver of claim 2, wherein the chamfered surface of the cam tapers from the front end to the back end of the transceiver housing.

5. The pluggable transceiver of claim 1, further comprising a release mechanism disposed on a surface of the transceiver housing and configured to disengage the cam from the cage slot.

6. The pluggable transceiver of claim 5, wherein the release mechanism comprises a release block configured to slide into engagement with the cage latch to disengage the cam from the cage slot.

7. The pluggable transceiver of claim 6, wherein the release block comprises a chamfered surface exposed for contact with the cage latch.

8. A cage, comprising:
a housing having a front end for receiving a pluggable transceiver and defining a slot for engaging a transceiver cam; and
a latch disposed at the front end of the cage housing and configured to bend outwardly from an original position in response to a force applied by the transceiver cam as the transceiver is being inserted into the cage and to resiliently

7 return to the original position upon engagement of the transceiver cam with the
8 slot defined in the front end of the cage housing.

1 9. The cage of claim 8, wherein the latch includes a front end having
2 an inner surface that flares outwardly away from an interior region of the cage
3 housing.

1 10. The cage of claim 8, wherein the cage housing is configured to
2 shield against electromagnetic interference.

1 11. The cage of claim 8, further comprising an ejection mechanism
2 configured to engage and apply an ejection force against the pluggable transceiver
3 when disposed within the cage housing.

1 12. The cage of claim 8, further comprising a circuit card connector
2 disposed in a back end of the cage housing and configured to couple the
3 pluggable transceiver to a circuit card.

1 13. The cage of claim 8, wherein the cage latch is formed integrally with
2 the cage housing.

1 14. The cage of claim 8, wherein the cage housing is configured to
2 engage an opening in an electromagnetic enclosure.

1 15. A data coupling system, comprising:
2 a pluggable transceiver comprising a housing having a front end configured
3 to couple to a transmission cable, and a cam disposed on an exposed outer
4 surface of the transceiver housing; and

5 a cage comprising a housing having a front end for receiving the pluggable
6 transceiver and defining a slot for engaging the transceiver cam, and a latch
7 disposed at the front end of the cage housing;

8 wherein the transceiver cam is configured to displace the cage latch and
9 engage the cage slot upon insertion of the transceiver housing into the cage, and
10 the cage latch is configured to bend outwardly from an original position in
11 response to a force applied by the transceiver cam as the transceiver is being
12 inserted into the cage and to resiliently return to the original position upon

13 engagement of the transceiver cam with the slot defined in the front end of the
14 cage housing.

1 16. The data coupling system of claim 15, wherein the cam has a
2 chamfered surface exposed for contact with the cage latch as the transceiver is
3 being inserted into the cage.

1 17. The data coupling system of claim 15, further comprising a release
2 mechanism disposed on a surface of the transceiver housing and configured to
3 disengage the cam from the cage slot.

1 18. The data coupling system of claim 17, wherein the release
2 mechanism comprises a release block configured to slide into engagement with
3 the cage latch to disengage the cam from the cage slot.

1 19. The data coupling system of claim 18, wherein the release block
2 comprises a chamfered surface exposed for contact with the cage latch.

1 20. The data coupling system of claim 15, wherein the cage further
2 comprises an ejection mechanism configured to engage and apply an ejection
3 force against the pluggable transceiver when disposed within the cage housing.